



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-015-23,909-00-00

Company Noble Petroleum, Inc.

Well Sommers No. 2

Field Plum Grove South

County Butler State Kansas

Location 3922' FSL & 2970' FEL

Sec: 27 Twp: 24 S Rge: 4 E

Permanent Datum Ground Level Elevation 1369
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
Elevation
K.B. 1378
D.F. 1369
G.L. 1369

Date 8/3/2011

Run Number One

Type Log CNL / CDL

Depth Driller 2619

Depth Logger 2619

Bottom Logged Interval 2598

Top Logged Interval 1500

Type Fluid In Hole Chemical

Salinity, PPM CL N/A

Density N/A

Level Full

Max. Rec. Temp. F 102

Operating Rig Time 2 1/2 Hours

Equipment -- Location 10 Hays

Recorded By D.Kerr

Witnessed By Jerry Honas

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	212	8.625	23#	00	212
Two	7.875	212	TD				

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

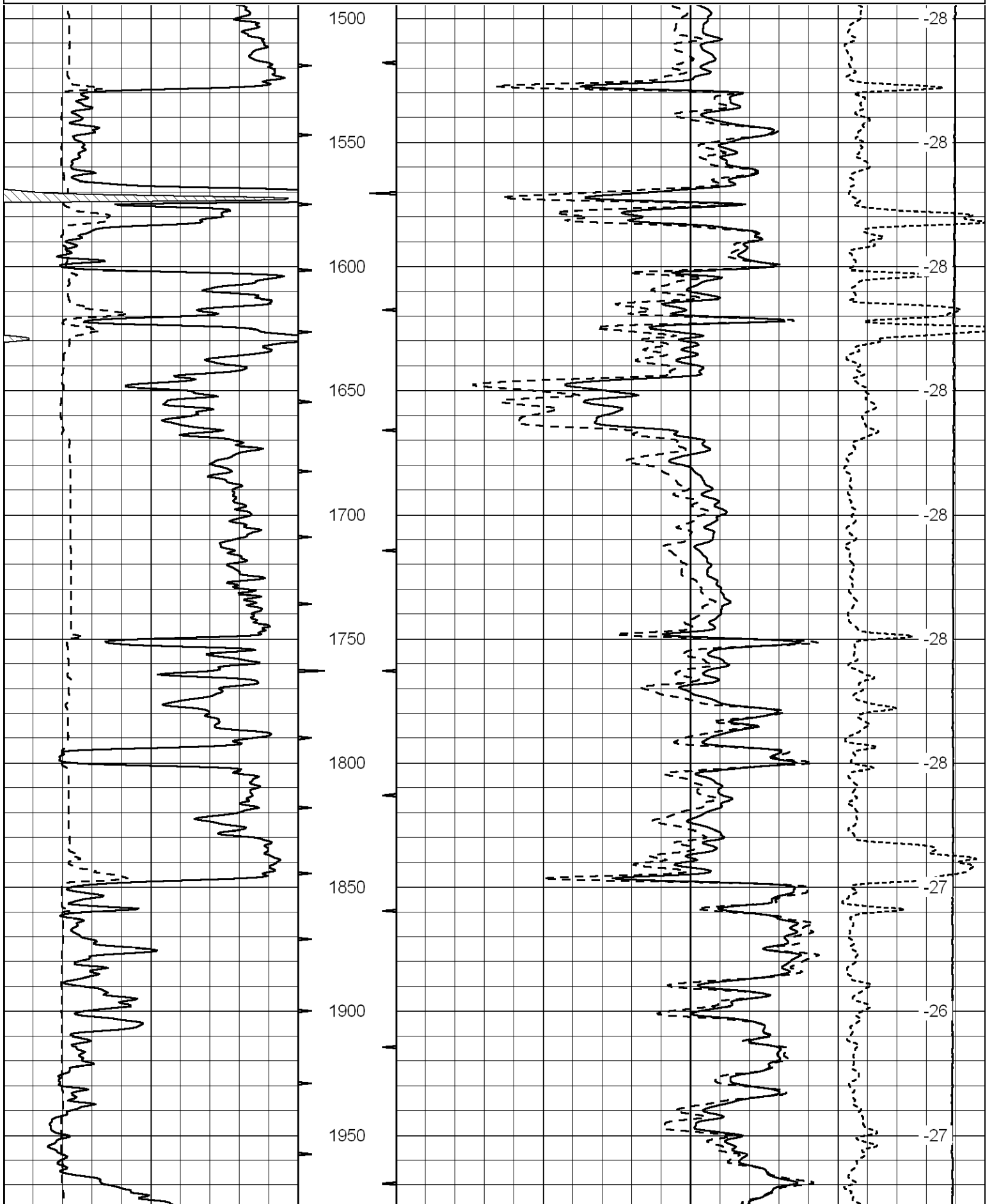
Thank you for using Log-Tech, Inc.
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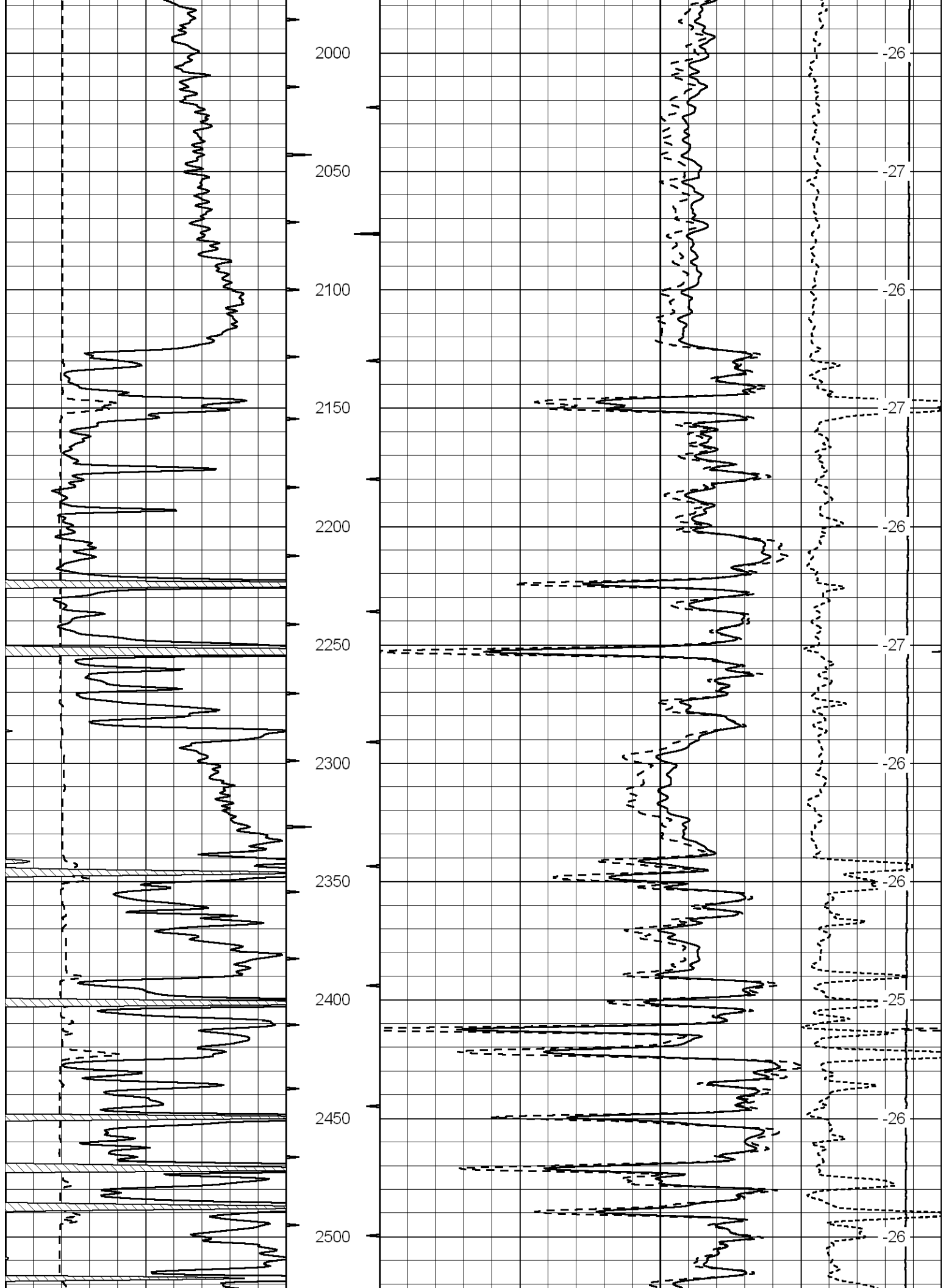
Potwin KS, 1/2 East to River Valley RD,
1/2 North, 1 1/4 East, South Into

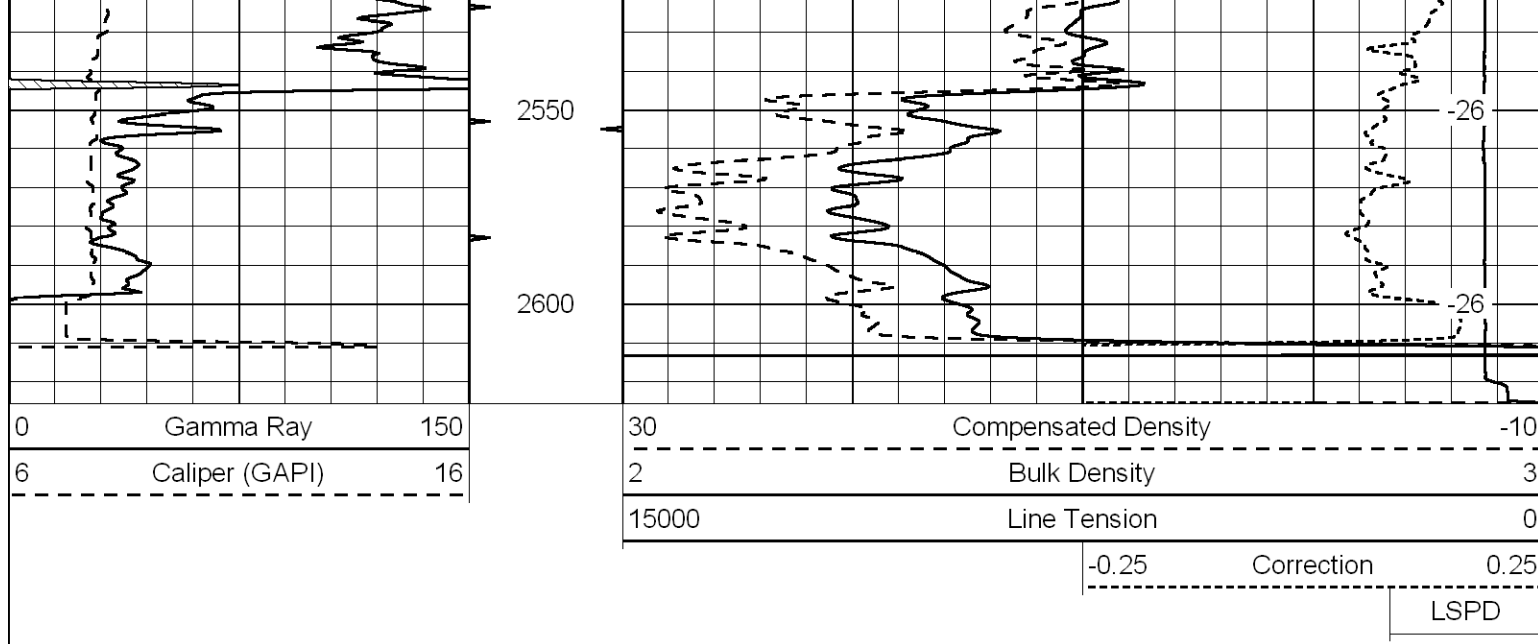
Database File: noble_sommers_2hd.db
Dataset Pathname: dil/nobstk
Presentation Format: cdl
Dataset Creation: Wed Aug 03 16:05:36 2011
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
	-0.25	Correction	0.25
			LSPD







Database File: noble_sommers_2hd.db
Dataset Pathname: dil/nobstk
Presentation Format: cndlspec
Dataset Creation: Wed Aug 03 16:05:36 2011
Charted by: Depth in Feet scaled 1:240

